Sheet 1 of 2: A final, careful reading with reverification of all equations after a 6 months pause has shown that following local clarifications / improvements would increase readability and avoid misunderstandings;

1) on p.136, delete the 4th line from the top Reliability . . . (6.195)). , in Eq. (4.48) replace . with , and add as new line 5 from the bottom (in Eq. 4.48, nT_{PM} is used to simplify comparisons).

2) on p.149, replace at the 16th line from the top *end* and with *end,* and add *HF* after for

3) on p. 239, replace at the 8th & 9th line from the top *regeneration state considered.* with *state Z_i entered after the repair.*

4) on p. 302, at the 15th line from the top complete constant , at the 16th line from the top delete or disconnection and add a after for and the after of ; furthermore, to improve clarity, replace footnote **) with

**) Z_1 as per Fig. 6.8; external events act on E_1 & E_2 in Z_0 and on E_1 or E_2 in Z_1, human errors act on E_1 or E_2 in $Z_{1'}$ (with this, E_1 & E_2 are failed when $Z_{2'}$ is entered); other possibilities are conceivable.

5) on p. 391, replace at the 1th & 2nd line from the top regeneration up state Z_i considered, with up state Z_i entered after the repair,

6) on p. 470, replace 2 times in Eq. (A6.136) *i* with *k*

7) on p. 475, replace at the 8th line from the bottom *n* with *k/n*

8) on p. 491, in the footnote Eq.(6.20) holds instead of Eq.(6.19)

9) on p. 523, following footnote, mentioned at Eq. (A7.169), would clarify the use of $P_{kj}(t\text{-}x)$

*) The use of $P_{kj}(.)$ (and not of $Q_{kj}(.)$) is correct because in $(t-x, t]$ further state changes can occur.

10) on p. 529, replace at the 2nd line from the top Z_2 or with Z_3 or , at the 3th line from the bottom Fig. A713a with (Fig. A7.13b) , and in the last part of the 2 approximations for PA_S in Eq. (A7.186) $\lambda_r/2)$ with $\lambda_r)/2$; furthermore, add following footnote to clarify a simplification used for the first approximate expression in Eq. (A7.186)

*) In ~u(0), $-E\{\tau'\}k^2\lambda^2(k\lambda+2\lambda_r)(E^2\{\tau'\}+Var\{\tau'\})/2 << E\{\tau'\}k\lambda$ is neglected in the numerator of $PA_S \approx$.

11) on p. 533, for Eq. (A7.195) $0 \le a < b$ holds instead of $a \le 0 < b$

12) on p. 545, at the 3th line from the top τ_i holds 2 times instead of t_i

13) on p. 552, at the 6th line from the top (A6.125) holds instead of (A6.120)

PS: Above clarifications / improvements can be introduced on the pdf format without asking for a book revision. Some further local text improvements are in ***Sheet 2****. Sheets 1 & 2 together with a somewhat extended index are available on www.birolini.ch; with all this, the book is so as it should be. Please put* ***Sheets 1 & 2*** *in your personal copy. Grazie e un caro saluto, A. B. (31/3/2018)*

clarification (should be made)
improvement (can be made)
printing error (can be made)

Sheet 2 of 2: In addition to the clarifications on ***Sheet 1***, following are some minor local text improvements (line xyt means line xy from the top, similar is from the bottom with line xyb);

p. IV address, add (for updates) after www.birolini.ch

p. 6 line 18t, replace A2.6 with A2.10 ; same on pp. 40, 328, and 393

p. 31 line 4t, replace two E_5 with with E_5 in two and at Point *3* of Tab. 2.1 R_{S0} with R_S

p. 43 line 3b, replace λ_S with λ_{S0}

p. 61 line 1t, replace For coherent with Finally, for coherent

p. 90 line 7t, add (failures and defects) after faults

p. 167 line 10t, add *n* after *number* and at line 11t (Fig. 2.12, $\nu_i = (n - i)\,\lambda$) after *process*

p. 171 line 14t, delete p from pp. and in Tab. 6.1 delete repairable after *One-item*

p. 205 line 5b, replace Eq. (6.96) with Eq. (6.97)

p. 211 line 9b, delete) after o(s)

p. 240 line 7t, replace calculation with calculations

p. 248 line 3t, replace 2 failure modes for the switch with case **d** (two failure modes)

p. 251 line 4b, add (for $\lambda_1 T_{PM}$, $\lambda_2 T_{PM} << 1$) after yields

p. 262 line 14b, delete - after used in

p. 268 line 8t, replace & with , and at line 12b $\mu = \mu_C = \mu$ with $\mu_A = \mu_C = \mu$

p. 279 line 1b, shift $_i$ in S_i ; similar on pp. 311, 321, and 394

p. 280 line 16t, delete then after consider and add complex after large

p. 290 line 18b, add] after 6.43

p. 303 line 10b, replace on Z_0 (both with for system in state Z_0 (on both and on Z_1 (one element operating, the other under repair); with in Z_1 (on the operating element);

p. 304 line 13b, replace $T_{E'} = M_b$, with $T_{E'} = M_{b'}$

p. 305 line 11b, delete an after by and at line 9b add on before both

p. 306 line 5b, add s after time and at line 2b add on before both

p. 308 line 18t, add on before both

p. 324 line 1t, insert confidence level (p. 554) after given

p. 331 line 2t, add (or simply $\lambda \le \lambda_u$) before with

p. 332 line 16b, replace ≈ 0.7 with ≥ 0.7

p. 356 line 19t replace A8.2.3.3 with A8.2.2.3

p. 375 line 19b, replace Extensive with However, extensive

p. 394 line 11b, replace up state set with set of up states

p. 410 line 3t, insert (after *mandatory* and) after 730)]

p. 425 line 6t, delete - in func-tion and at line 1b replace save with safe

p. 458 line 18t, replace Howevwe with However

p. 499 line 5b, replace Z_i to Z_j with Z_i to Z_j

p. 515 line 18t, add for t ---> ∞ (see p. 479) before , as particular

p. 525 line 10t, replace Eq. (A7.35) with Eqs. (A7.32) & (A7.35)

p. 588 line 15b, add res. after Variable and at line 8b delete low to before medium

p. 598 line 2t, replace 1-out with *n*-out

pp. 627-51, a somewhat extended / improved index is available *on* www.birolini.ch

improvement (can be made)
printing error (can be made)